REMARKS

Examiner has rejected Claims 1-16 under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention. More specifically, Examiner has stated that the claims contradict the specification by stating "at least one" bow sight housing and bow sight, when there is no indication of there being more than one of each. Although Applicant contemplates that more than one bow sight housing and/or bow sight may be utilized, in response to Examiner's rejection, Applicant has now amended all relevant claims to delete the words "at least one" appearing before the words "bow sight housing" or "bow sight." Examiner has further rejected Claim 12 under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention. More specifically, Examiner has stated that there is no structural relationship between the encasement and the bow sight. In response thereto, Applicant respectfully requests Examiner to note that Applicant has now amended Claim 12 to establish said structural relationship by indicating that the encasement houses said at least one light collector upon adapting said at least one light collector to said bow sight. Applicant respectfully believes that the aforementioned clarifying amendments and corrections now particularly point out and distinctly claim the subject matter which Applicant regards as the invention and thus, satisfies the Examiner's 35 U.S.C. § 112 second paragraph rejections.

Examiner has rejected Claims 1-6, 7-8, 11-13 and 17-18 under 35 U.S.C. §102(e), as being unpatentable by Rager (U.S. 6,418,633). In response thereto, Applicant respectfully partially traverses Examiner's rejection, and presents the following arguments and amendments to better clarify Applicant's invention.

Examiner has stated that Rager discloses a bow sight having a bow sight housing, wherein at least one light collecting mechanism is carried by said bow sight housing and defines at least one coil shape, and further discloses a support having at least one fiber optic filament wrapped multiple times therearound, and still further discloses at least one fiber optic filament coiled a plurality of revolutions within an encasement. Applicant respectfully requests Examiner to note that the Rager patent does not teach, disclose or claim fiber optic filaments (i.e., one light collecting mechanisms) in a *coiled shape, or wrapped multiple times thereabout, or coiled a plurality of revolutions thereabout.* To the contrary, Rager discloses only single strands of fiber optic cable for each sighting pin. Although Rager does disclose "fiber optic cables 26*a-e* mounted around the perimeter of a support structure," this terminology does not connote, indicate or teach that *multiple wraps, coils or revolutions* of fiber optic cables for each sighting pin was contemplated by Rager in the development of his invention. Additionally, illustrative depictions of such multiple wraps, coils or revolutions of fiber optic cables for each sighting pin are clearly absent from the drawing figures of the Rager patent, further supporting Applicant's contention that such technology improvements were not in contemplation during development of the Rager device. More specifically, the Rager drawing figures illustrate only single strands of fiber optic filaments leading to

individual sighting pins. Applicant's device employs coiled or multiple windings of fiber optic filaments for each sighting pin. This distinction is of critical importance to Applicant's improved apparatus and method.

Applicant respectfully directs Examiner's attention to Applicant's novel and non-obvious purpose for utilization of multiple wraps, coils or revolutions of fiber optic cables, as described in Applicant's originally filed specification. Specifically, Applicant has incorporated multiple wraps, coils or revolutions of fiber optic cables in Applicant's bow sight as *the plurality of coils and/or wrappings of fiber optic filament 82 around outer wall 42A of inner ring 40 promote a greater surface area in which to capture ambient light passing through transparent ring 24. As such, light from all directions is harnessed from all around fiber optic filament 82, thus increasing, magnifying and generally enhancing the output of useful light from light collecting mechanism 80* (see Applicant's specification: paragraph 1, page 12, lines 21-24, ending on page 13, lines 1-6). As indicated in Applicant's specification, such multiple wraps, coils or revolutions of fiber optic cables function to increase the overall ambient light collecting surface area of the fiber optic cables, thus permitting said cables to emit a stronger more pronounced light through a cooperating sighting pin – a significant novel and non-obvious improvement over prior art devices, such as Rager, that utilize only one strand of fiber optic cable per sighting pin. A stronger more pronounced sighting pin is of substantial importance to bow users, as it increases the visibility of the pin(s) and thus, improves the user's accuracy and ease of use.

As such, to better clarify Applicant's invention, Applicant has amended the Independent claims, and relevant Dependent claims, to add the limitation that the at least one light collecting mechanism, or the at least one fiber optic cable/filament, is coiled a plurality of revolutions about the bow sight. Applicant believes that neither Rager nor any of the other cited prior art patents disclose, teach, suggest or claim the device as claimed in Applicant's amended claims and new claims.

Examiner has rejected Claims 9-10 and 14-16 under 35 U.S.C. 103(a) as being unpatentable over Rager, stating that although Rager does not disclose the fiber optic filament and support being housed within said encasement, Rager does disclose the fiber optic filaments being outside the encasement, and that alteration of such location, absent any criticality, is only considered to be an obvious modification of the Rager device. In light of the above-presented amendments and arguments, Applicant respectfully believes that Examiners 103(a) rejection of Claims 9-10 and 14-16 is now moot.

CONCLUSION

The above amendments to the claims are corrections to form and thus, no new matter was added. In light of Applicant's above-discussed amendments, Applicant respectfully submits that Claims 1-22 are now allowable. Should there be any questions or concerns, Examiner is invited to telephone Applicant's undersigned attorney.

Respectfully submitted this 19th day of March, 2003.

Joel D. Myers
Reg. No. 44,253

Myers & Kaplan
Intellectual Property Law, L.L.C.
1827 Powers Ferry Road
Building 3, Suite 200
Atlanta, GA 30339
(770) 541-7444
(770) 541-7448 Fax

Version With Markings to Show Changes Made

In the Claims:

Please amend Claims 1, 3, 5-7, 9-12, 14, 16 and 17 as follows, and please add New claims 19-22:

1. (Once Amended) A bow sight, comprising:

[at least one] a bow sight housing, said bow sight housing having at least one sight pin; and

at least one light collecting mechanism carried by said bow sight housing, wherein said at least one light collecting mechanism [defines at least one coil shape] is coiled a plurality of revolutions.

3. (Once Amended) The bow sight of Claim 1, wherein said [at least one] bow sight housing encases said at least one light collecting mechanism.

5. (Once Amended) The bow sight of Claim 4, wherein said at least one fiber optic filament is carried in a coil fashion by said [at least one] bow sight housing.

6. (Once Amended) The bow sight of Claim 4 further comprising a support, wherein said at least one fiber optic filament is [wrapped multiple times] coiled a plurality of revolutions around said support, said at least one fiber optic filament is at least partially

carried by said at least one sight pin, and said support is substantially encased within said [at least one] bow sight housing.

7. (Once Amended) The bow sight of Claim 1, wherein said [at least one] bow sight housing further comprises at least one removable encasement.

9. (Once Amended) The bow sight of Claim 8, wherein said at least one fiber optic filament is coiled a plurality of revolutions within said at least one encasement.

10. (Once Amended) The bow sight of Claim 8 further comprising a support, wherein said at least one fiber optic filament is coiled a plurality of revolutions around said support, and wherein said support is housed within said at least one encasement.

11. (Once Amended) The bow sight of Claim 1, wherein said [at least one] bow sight housing is rotatable.

12. (Once Amended) A light collecting bow sight assembly, comprising:

[at least one] a bow sight, said [at least one] bow sight being rotatable and having at least one sight pin;

at least one light collector adaptable to said bow sight and coiled a plurality of revolutions; and

at least one encasement for housing said at least one light collector upon adapting said at least one light collector to said bow sight.

14. (Once Amended) The light collecting bow sight assembly of Claim 13, wherein said at least one optical filament is coiled a plurality of revolutions within said [at least one] bow sight and is at least partially carried by said at least one sight pin.

16. (Once Amended) The light collecting bow sight assembly of Claim 15 further comprising a support, wherein said at least one fiber optic filament is coiled a plurality of revolutions around said support, and wherein said support is housed within said at least one encasement.

17. (Once Amended) A method of providing an ambient light collecting bow sight, comprising the steps of:

a. coiling at least one fiber optic filament a plurality of revolutions around a support; and,

b. positioning one end of said at least one fiber optic filament within a bow sight.

19. (New Claim) A bow sight, comprising:

a bow sight housing, said bow sight housing having at least one sight pin;

a first light collecting mechanism carried by said bow sight housing, wherein said first light collecting mechanism is coiled a plurality of revolutions;

a second light collecting mechanism carried by said bow sight housing, wherein said second light collecting mechanism is coiled a plurality of revolutions, and wherein said second light collecting mechanism is concentrically disposed to said first light collecting mechanism; and,

a third light collecting mechanism carried by said bow sight housing, wherein said third light collecting mechanism is coiled a plurality of revolutions, and wherein said third light collecting mechanism is concentrically disposed to said second light collecting mechanism.

20. (New Claim) The bow sight of Claim 19, wherein said first light collecting mechanism emits a first colored light, said second light collecting mechanism emits a second colored light, and said third light collecting mechanism emits a third colored light.

21. (New Claim) The bow sight of Claim 19, further comprising a cylindrical support carried by said bow sight housing, wherein said first light collecting mechanism, said second light collecting mechanism and said third light collecting mechanism are coiled a plurality of revolutions around said cylindrical support.

22. (New Claim) The bow sight of Claim 19, wherein said first light collecting mechanism, said second light collecting mechanism and said third light collecting mechanism are fiber optic filaments.